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patent attorneys

March 15, 2004

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Date of Signature: March 15, 2004

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: U.S. Patent Application Serial No. 10/612,790 for
OPTICAL METHOD FOR EVALUATING SURFACE ANY PHYSICAL PROPERTIES OF STRUCTURES MADE WHOLLY OR PARTIALLY FROM FIBERS, FILMS, POLYMERS OR A COMBINATION THEREOF
Our Ref. No. 297/180

Sir:

Please find enclosed in connection with the subject U.S. patent application the following documents:

1. Information Disclosure Statement (2 pages);
2. Form PTO-1449 (3 pages) in duplicate;
3. Copies of cited references (34 references); and
4. A return-receipt postcard to be returned to us with the U.S. Patent and Trademark Office filing stamp thereon.

The Commissioner is hereby authorized to charge any fees associated with the filing of this correspondence to Deposit Account No. **50-0426**.

Respectfully submitted,

JENKINS, WILSON & TAYLOR, P.A.

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Pourdeyhimi

Group Art Unit: 2122

Serial No.: 10/612,790

Examiner: Sharon Brooks

Filed: July 2, 2003

Docket No. 297/180

Confirmation No.: 5458

For: OPTICAL METHOD FOR EVALUATING SURFACE ANY PHYSICAL PROPERTIES OF STRUCTURES MADE WHOLLY OR PARTIALLY FROM FIBERS, FILMS, POLYMERS OR A COMBINATION THEREOF

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. 1.56, 1.97, and 1.98, applicants' undersigned attorney brings to the attention of the Patent and Trademark Office the documents listed on the attached Form PTO-1449. Copies of the references as well as Form PTO-1449 are attached hereto. This is not to be construed as a representation that a search has been made or that a reference is relevant merely because cited.

Early passage of the subject application to issue is earnestly solicited.

Although it is believed that no fee is due, the Commissioner is hereby authorized to charge any fees associated with the filing of this Information Disclosure Statement to Deposit Account No. **50-0426**.

Respectfully submitted,

JENKINS, WILSON & TAYLOR, P.A.

Date: 3-15-04 By: Richard E. Jenkins

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FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office List of Documents Cited by Applicant	Attorney Docket No.: 297/180	Serial No.: 10/612,790
	Applicant(s): Pourdeyhimi	
	Filing Date: July 2, 2003	Group: 2122

U.S. PATENT DOCUMENTS

Examiner Initial	No.	Document Number	Date	Name	Class	Subclass	Filing date if Appropriate

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Name of Patentee or Applicant	Translation Yes | No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	Wu et al., "Instrumental Techniques to Quantify Textural and Appearance Changes in Carpet", November 1990, pp. 673-687, Textile Research Institute.
	2	Wu et al., "Instrumental Evaluation of Carpets Using Image Analysis", July 1991, pp. 407-419, Textile Research Journal.
	3	Sobus et al., "Assessing Changes in Texture Periodicity Due to Appearance Loss in Carpets: Gray Level Co-occurrence Analysis", 1991, pp. 557-567, Textile Research Journal.
	4	Xu et al., "Characterizing Fiber Crimp by Image Analysis: Definitions, Algorithms, and Techniques", February 1992, pp. 73-80, Textile Research Journal.
	5	Sobus et al., "Evaluating Loss of Texture Definition in Carpets Using Mathematical Morphology: Covariance", 1992, pp. 26-39, Textile Research Journal.
	6	Xu et al., "Assessing Pile Lay Orientation in Carpets Using Flow-Field Analysis", April/May 1993, pp. 39-48, Canadian Textile Journal.
	7	Pourdeyhimi et al., "Evaluating Carpet Appearance Loss: Surface Intensity and Roughness", September 1993, pp. 523-535, Textile Research Journal.
	8	Pourdeyhimi et al., "Assessing Fiber Orientation In Nonwoven Fabrics", (1993), pp. 29-36, INDA Journal of Nonwovens Research Vol. 5, No. 4.

	9	Pourdeyhimi et al., "Evaluating Carpet Appearance Loss: Periodicity and Tuft Placement", 1994, pp. 21-32, Textile Research Journal.
	10	Pourdeyhimi, "Measuring Fiber Orientation in Nonwovens", November 1996, pp. 713-722, Textile Research Journal.
	11	Pourdeyhimi et al., "Measuring Fiber Orientation in Nonwovens", 1996, pp. 747-753, Textile Research Journal.
	12	Pourdeyhimi et al., "Evaluating Carpet Appearance Loss: Pile Lay Orientation", 1994, pp. 130-135, Textile Research Journal.
	13	Xu et al., "Evaluating Maturity of Cotton Fibers Using Image Analysis: Definition and Algorithm", 1994, pp. 330-335, Textile Research Journal.
	14	Pourdeyhimi, "Evaluating Carpet Appearance Loss: Color Change", 1994, pp. 485-490, Textile Research Journal.
	15	Na et al., "Assessing Wrinkling Using Image Analysis and Replicate Standards", 1995, pp. 149-157, Textile Research Journal.
	16	Pourdeyhimi et al., "Evaluating Cracking Using Image Analysis", November 1995, pp. 564-567.
	17	Pourdeyhimi et al., "Measuring Fiber Orientation in Nonwovens", February 1997, pp. 143-151, Textile Research Journal.
	18	Pourdeyhimi et al., "Measuring Fiber Orientation in Nonwovens", March 1997, pp. 181-187, Textile Research Journal.
	19	Pourdeyhimi et al., "Measuring Fiber Orientation in Nonwovens Part V: Real Webs", March 1999, pp. 185-192, Textile Research Journal.
	20	Pourdeyhimi et al., "Measuring Fiber Orientation in Nonwovens", June 3, 1997, pp. 307-308.
	21	Pourdeyhimi et al., "Measuring Fiber Diameter Distribution in Nonwoven", 1999, pp. 233-236, Textile Research Journal.
	22	Pourdeyhimi et al., "Evaluation of Scratch and Mar Resistance in Automotive Coatings", 1999, 72-79.
	23	Pourdeyhimi et al., "Making Scratch Resistance Visible", 1999, pp. 100-106.
	24	Pourdeyhimi et al., "Scribe Corrosion Characterized by Distance Transform", 2000, pp. 34-42.
	25	Kim et al., "Characterizing Fuzz In Nonwoven Fabrics", 2000, 18-22.

	26	Kim et al., "Characterizing Structural Changes in Point-Bonded Nonwoven Fabrics During Load-Deformation Experiments", February 2001, pp. 157-164, Textile Research Journal.
	27	Kim et al., "The Role of Structure On Mechanical Properties of Nonwoven Fabrics", 2001, pp. 32-37.
	28	Kim et al., "Anisotrophy in the Mechanical Properties of Thermally Spot-Bonded Nonwovens: Experimental Observations", November 2001, pp. 965-976, Textile Research Journal.
	29	Jeddi et al., "Marring of Automotive Clearcoats Caused by Nonwoven Wipes", 2001, pp. 18-22.
	30	Jeddi et al., "Measurement of Fiber Orientation In Nonwovens: Optical Fourier Transform", 2001 pp. 10-16.
	31	Kim et al., "Automatic Characterization Of The Refractive Index Profile Of Fibers By Interferometry", 2002, pp. 18-22.
	32	Kim et al., "Effect of Bonding Temperature on Load-Deformation Structural Changes in Point-Bonded Nonwoven Fabrics", July 2002, pp. 645-653, Textile Research Journal.
	33	Pourdeyhimi et al., " Measuring Fiber Orientation in Nonwovens: The Hough Transform", September 2002, pp. 803-809, Textile Research Journal.
	34	Pourdeyhimi et al., "Area-Based Strategy for Determining Web Uniformity", December 2002, pp. 1065-1072, Textile Research Journal.

EXAMINER _____ DATE CONSIDERED _____

*Examiner Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.